STR-7015

4155

USA Model
Canada Model
UK Model
AEP Model

FM STEREO/FM-AM RECEIVER

SPECIFICATIONS

FM SECTION

Tuning Range:	87.5 – 108 MHz
Intermediate Frequency:	10.7 MHz
Antenna Terminals:	300 Ω, balanced 75 Ω, unbalanced
Sensitivity:	2.2 μV, IHF 1.7 μV, S/N = 26 dB (1 kHz, 40 kHz deviation) (UK, AEP Model) S/N = 30 dB (USA, Canada Model)
Image Rejection:	55 dB
IF Rejection:	90 dB
Spurious Rejection:	78 dB
AM Suppression:	55 dB
Capture Ratio:	3 dB
Selectivity:	60 dB, IHF
S/N Ratio:	68 dB
Frequency Response:	30 – 15,000 Hz $^{+0}_{-2}$ dB
Harmonic Distortion:	Mono: 0.3 % Stereo 0.8 % at 400 Hz, 100 % modulation (75 kHz deviation)
Stereo Separation:	35 dB at 400 Hz

AM SECTION

Tuning Range:	530 – 1,605 kHz
Intermediate Frequency:	455 kHz (USA Model) 468 kHz (Canada, UK, AEP Model)
Antenna:	Built-in ferrite-rod antenna and external antenna terminal
Sensitivity:	48 dB/m, built-in antenna 30 μV, external antenna
Image Rejection:	56 dB at 1,000 kHz
IF Rejection:	40 dB at 1,000 kHz
S/N Ratio:	50 dB
Harmonic Distortion:	0.8 %

— continues to page 2 —

SONY®
SERVICE MANUAL

4155

AUDIO AMPLIFIER SECTION

Continuous RMS

Power Output: Less than 0.8 % THD, both channels driven simultaneously
At 40 – 20,000 Hz
15 + 15 W (8 Ω)
At 1 kHz
16 + 16 W (8 Ω)
18 + 18 W (4 Ω)
According to DIN 45500
15 + 15 W (8 Ω)
18 + 18 W (4 Ω)

Harmonic Distortion: Less than 0.8 % at rated output
Less than 0.1 % at 1 W output

Damping Factor: 25 at 1 kHz (8 Ω)

Residual Noise: Less than 0.08 microwatt

IM Distortion: Less than 0.8 % at rated output
(60 Hz: 7 kHz = 4:1) Less than 0.1 % at 1 W output

Frequency response:

PHONO	RIAA equalization curve ±2 dB
MIC	30–10,000 Hz $^{+0}_{-3}$ dB
AUX TAPE REC/PB (input)	30–40,000 Hz $^{+0}_{-3}$ dB

Input Sensitivity, Impedance and S/N Ratio:

	Sensitivity	Impedance	S/N	Weighting Network
PHONO	2.5 mV	47 kΩ	60 dB	B
MIC	2 mV	47 kΩ	60 dB	B
AUX	250 mV	100 kΩ	70 dB	A
TAPE REC/PB (input)	250 mV	100 kΩ	80 dB	A

Note: Measured with rated output power into 8 Ω loads (both channels driven simultaneously) at 1 kHz.

Output Voltage and Impedance:

	Voltage	Impedance	Input level
REC OUT	250 mV	10 kΩ	PHONO 2.5 mV MIC 2 mV
REC/PB (output)	30 mV	82 kΩ	AUX TAPE REC/PB (input) } 250 mV

HEADPHONES: Accepts 8Ω–10 kΩ headphones.
SPEAKER: Accepts 4–16 Ω speakers.

Tone controls: BASS ±dB at 100 Hz
TREBLE ±dB at 10 kHz

Loudness controls: +8 dB at 50 Hz, +4 dB at 10 kHz
(Attenuation: 30 dB)

GENERAL

Power Requirements: 120 V AC, 60 Hz (USA, Canada Model)
110, 127, 220 or 240 V AC, 50/60 Hz (UK, AEP Model)

Power Consumption: 85 W (USA Model)
110 W (Canada Model)
160 W (UK, AEP Model)

Ac Outlets: 2 unswitched, total 300 W (USA, Canada Model)

Dimensions: Approx.
427(w) x 149(h) x 340(d) mm
16⅞(w) x 5⅞(h) x 13⅜(d) inches } (USA, Canada Model)
427(w) x 149(h) x 345(d) mm
16⅞(w) x 5⅞(h) x 13⅝(d) inches } (UK, AEP Model)
including projecting parts and controls

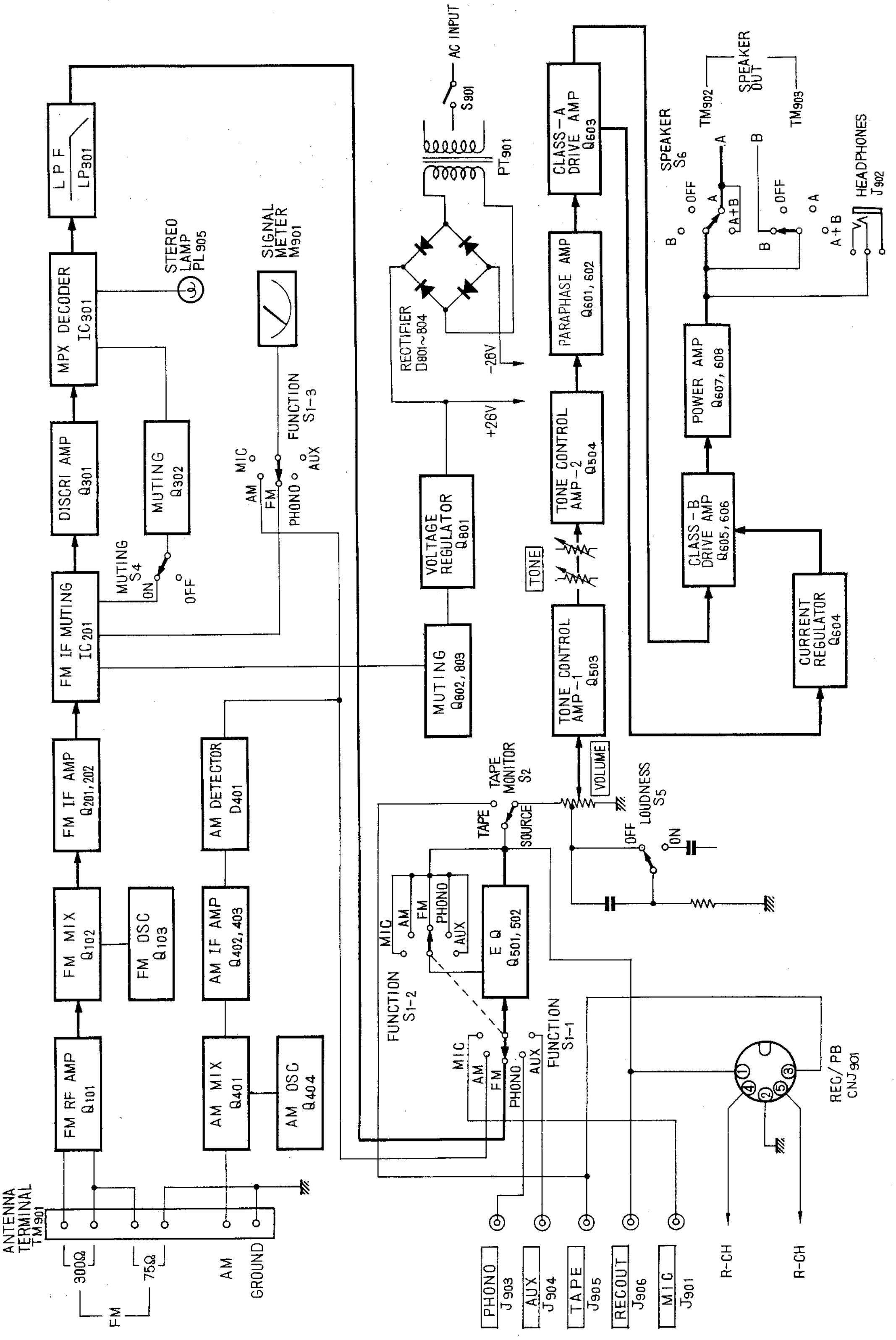
Weight: Approx. 7.4 kg. 16 lb 5 oz (net)
Approx. 9.7 kg. 21 lb 6 oz (with shipping carton)

Applicable Serial No.

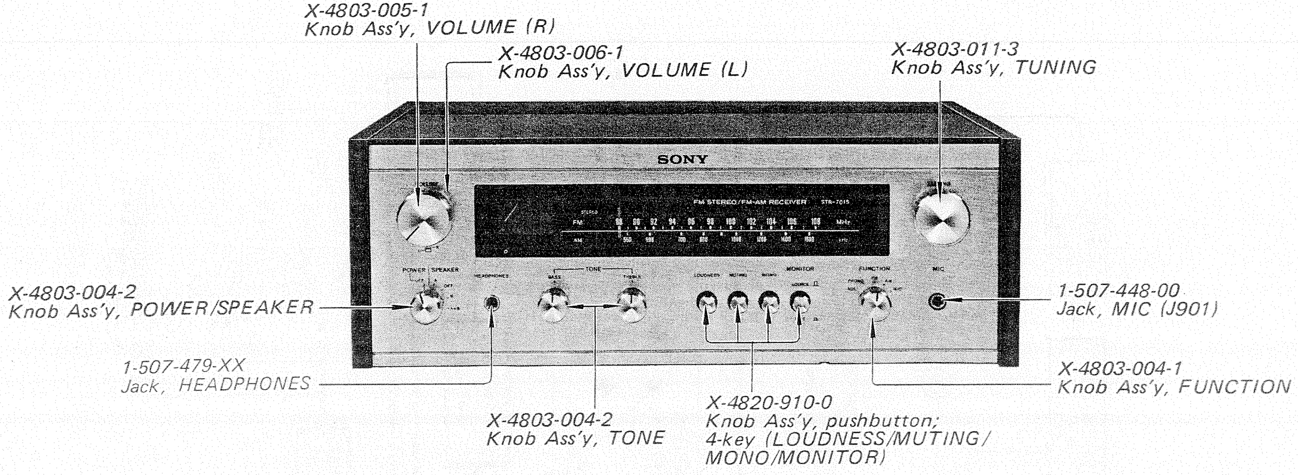
USA Model	Serial No. 802,001 and later
Canada Model	Serial No. 700,001 and later
UK Model	Serial No. 600,001 and later
AEP Model	Serial No. 500,001 and later

SECTION 1
OUTLINE

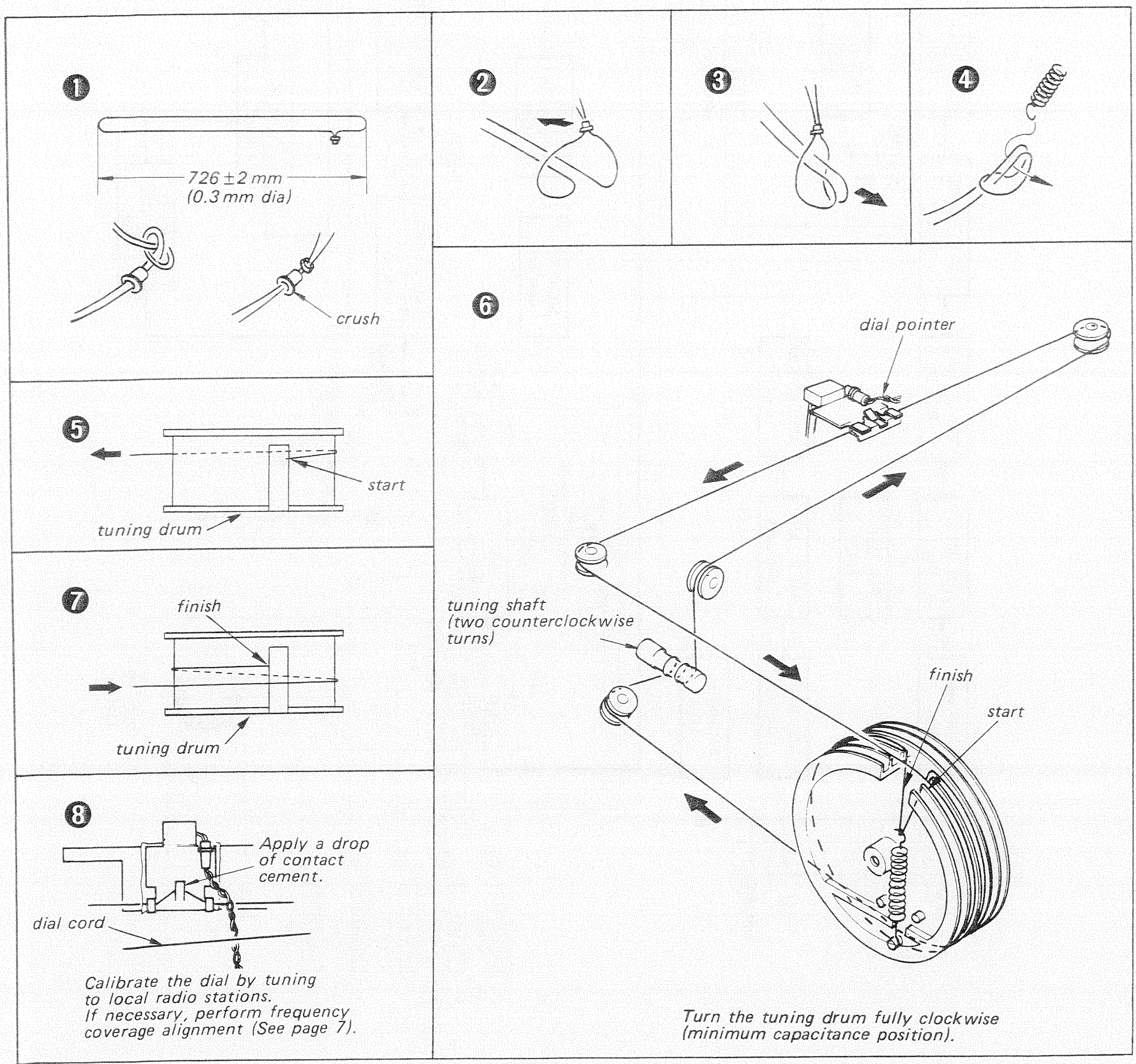
1-1. BLOCK DIAGRAM


ANTENNA TERMINAL TM901
300Ω
75Ω
FM
AM
GROUND
FM RF AMP Q101
FM MIX Q102
FM OSC Q103
FM IF AMP Q201, 202
FM IF MUTING IC201
DISCRI AMP Q301
MPX DECODER IC301
LPF LP301
STEREO LAMP PL905
MUTING Q302
MUTING S4
ON
OFF
SIGNAL METER M901
FUNCTION S1-3
MIC
AM
FM
PHONO
AUX
AM MIX Q401
AM OSC Q404
AM IF AMP Q402, 403
AM DETECTOR D401
AC INPUT
S901
PT901
RECTIFIER D801~804
-26V
+26V
VOLTAGE REGULATOR Q801
MUTING Q802, 803
FUNCTION S1-2
FUNCTION S1-1
E Q Q501, 502
TAPE
SOURCE
TAPE MONITOR S2
VOLUME
LOUDNESS S5
OFF
ON
TONE CONTROL AMP-1 Q503
TONE
TONE CONTROL AMP-2 Q504
PARAPHASE AMP Q601, 602
CLASS-A DRIVE AMP Q603
CLASS-B DRIVE AMP Q605, 606
POWER AMP Q607, 608
CURRENT REGULATOR Q604
SPEAKER S6
B
OFF
A
A+B
SPEAKER OUT
TM902
TM903
HEADPHONES J902
REC/PB CNJ901
①
②
③
④
⑤
R-CH
R-CH
PHONO J903
AUX J904
TAPE J905
REC OUT J906
MIC J901

1-2. EXTERNAL VIEW


X-4803-005-1
Knob Ass'y, VOLUME (R)
X-4803-006-1
Knob Ass'y, VOLUME (L)
X-4803-011-3
Knob Ass'y, TUNING
SONY
X-4803-004-2
Knob Ass'y, POWER/SPEAKER
1-507-448-00
Jack, MIC (J901)
1-507-479-XX
Jack, HEADPHONES
X-4803-004-1
Knob Ass'y, FUNCTION
X-4803-004-2
Knob Ass'y, TONE
X-4820-910-0
Knob Ass'y, pushbutton;
4-key (LOUDNESS/MUTING/
MONO/MONITOR)

1-3. DIAL CORD STRINGING


❶
726±2 mm
(0.3 mm dia)
crush
❷
❸
❹
❺
start
tuning drum
❻
dial pointer
tuning shaft
(two counterclockwise
turns)
finish
start
❼
finish
tuning drum
❽
Apply a drop
of contact
cement.
dial cord

Calibrate the dial by tuning to local radio stations.
If necessary, perform frequency coverage alignment (See page 7).

Turn the tuning drum fully clockwise (minimum capacitance position).

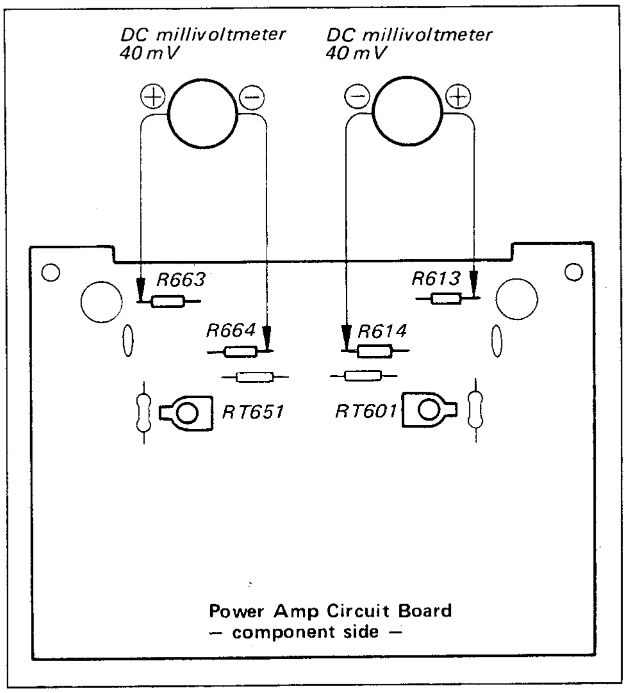
SECTION 2
ALIGNMENTS AND ADJUSTMENTS

2-1. DC BIAS ADJUSTMENT

Note: Allow about five minutes for warming up the set.

Procedure:

1. Turn on the POWER switch, and increase the ac line voltage up to the rated value by using a variable transformer.
2. Adjust RT601(L) and RT651(R) for 40 mV reading on the meter with no signal input.


DC millivoltmeter
40 mV
DC millivoltmeter
40 mV
+
−
−
+
R663
R613
R664
R614
RT651
RT601

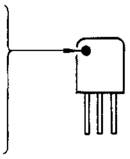
Power Amp Circuit Board
— component side —

2-2. FM IF AND DISCRIMINATOR ALIGNMENTS (See p.7 for the procedure.)

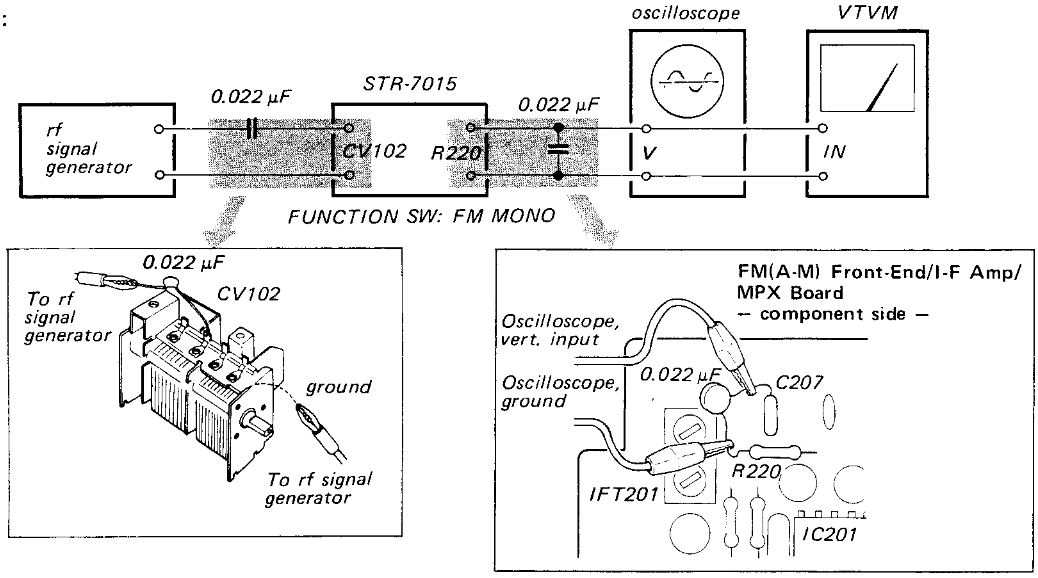
The ceramic filters used in the fm i-f circuit are color coded according to their specified center frequencies.

FM I-F CERAMIC FILTERS

Part No.	Specified Center Freq.	Color
1-527-220-11	10.70 MHz	red
1-527-220-21	10.67 MHz	blue
1-527-220-31	10.73 MHz	orange
1-527-220-41	10.64 MHz	black
1-527-220-51	10.76 MHz	white

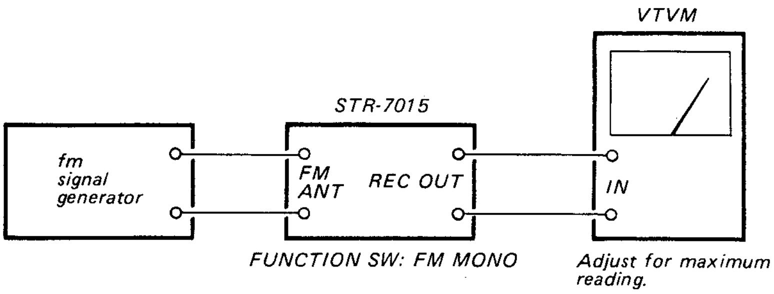


Setup:


oscilloscope
VTVM
STR-7015
0.022 μF
0.022 μF
rf signal generator
CV102
R220
V
IN
FUNCTION SW: FM MONO
0.022 μF
To rf signal generator
CV102
ground
To rf signal generator
FM(A-M) Front-End/I-F Amp/ MPX Board
— component side —
Oscilloscope, vert. input
Oscilloscope, ground
0.022 μF
C207
R220
IFT201
IC201

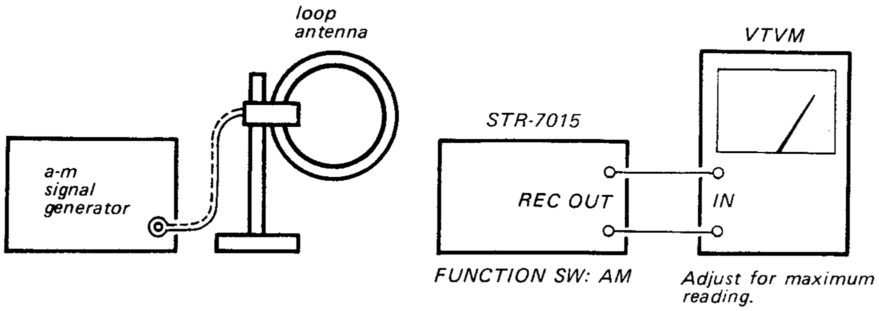
2-3. FM FREQUENCY COVERAGE AND TRACKING ALIGNMENTS (See p.7 for the procedure.)

Setup:

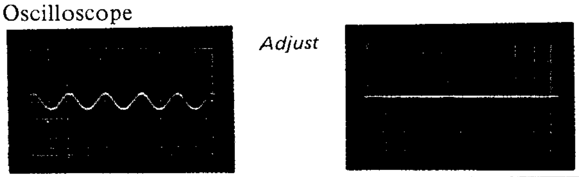

VTVM
STR-7015
fm signal generator
FM ANT
REC OUT
IN
FUNCTION SW: FM MONO
Adjust for maximum reading.

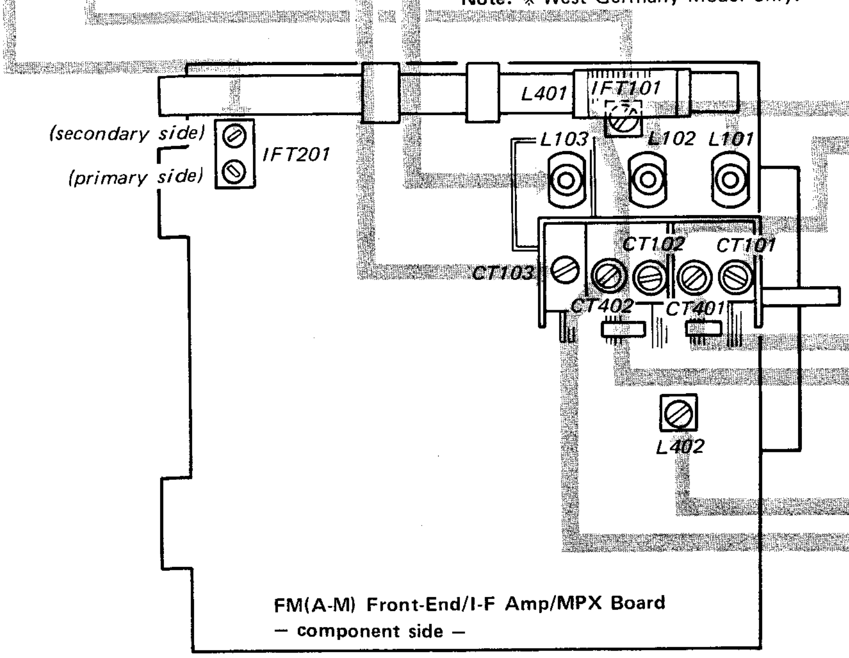
2-4. AM FREQUENCY COVERAGE AND TRACKING ALIGNMENTS (See p.7 for the procedure.)

Setup:


loop antenna
VTVM
STR-7015
a-m signal generator
REC OUT
IN
FUNCTION SW: AM
Adjust for maximum reading.

FM IF AND DISCRIMINATOR

Step	Signal Generator Setting: Frequency = (center freq. of ceramic filter) Modulation	Procedure
1	FM 400 Hz 75 kHz deviation (100 %)	Tune STR-7015 to SG signal.
2	AM 400 Hz 30 %	Oscilloscope  Adjust
3	FM 400 Hz 75 kHz deviation (100 %)	Adjust for maximum reading on VTVM.


(secondary side)
(primary side)
IFT201
L401
IFT101
L103
L102
L101
CT103
CT102
CT101
CT402
CT401
L402

FM(A-M) Front-End/I-F Amp/MPX Board
– component side –

FM FREQUENCY COVERAGE
108.4 MHz (⁎ 108.0 MHz) (modulated)
87.5 MHz (modulated)

Note: ⁎ West Germany Model only.

FM TRACKING ALIGNMENT
87.5 MHz (modulated)
108.4 MHz (⁎ 108.0 MHz) (modulated)

Note: ⁎ West Germany Model only.

AM TRACKING
1,400 kHz (modulated)
600 kHz (modulated)

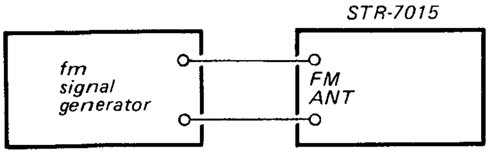
AM FREQUENCY COVERAGE
550 kHz (modulated)
1,600 kHz (modulated)

2-5. A-M I-F ALIGNMENT

Note: No alignment is necessary.
The alignment is done already in Factory.

2-6. SIGNAL METER CALIBRATION

Setup:

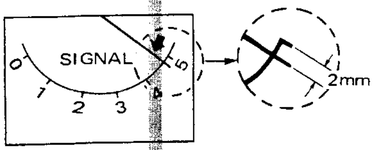

STR-7015
fm
signal
generator
FM
ANT

FM Signal Generator Setting:

Carrier frequency:	98 MHz
Modulation:	400 Hz, 75 kHz deviation (100%)
Output level:	70 dB

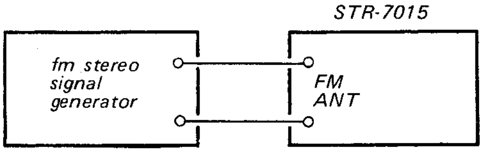
Procedure:

1. Precisely tune the receiver to 98 MHz.
2. Adjust RT201 for the specified position on the SIGNAL meter.


SIGNAL
0
1
2
3
4
5
2mm

2-7. 19 kHz ADJUSTMENT

Setup:

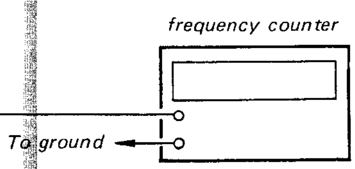

STR-7015
fm stereo
signal
generator
FM
ANT

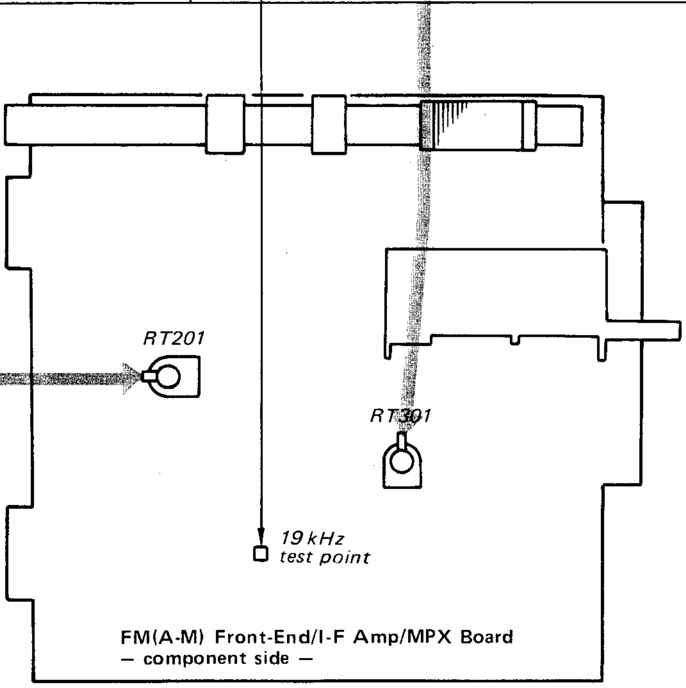
FM Stereo Signal Generator Setting:

Carrier frequency:	98 MHz
Modulation:	400 Hz, 75 kHz deviation (100%)
Output level:	70 dB

Procedure:

1. Tune the receiver to 98 MHz.
2. Adjust RT301 for 19 kHz ±30 Hz on the counter.


frequency counter
To ground


RT201
RT301
19 kHz
test point

FM(A-M) Front-End/I-F Amp/MPX Board
— component side —

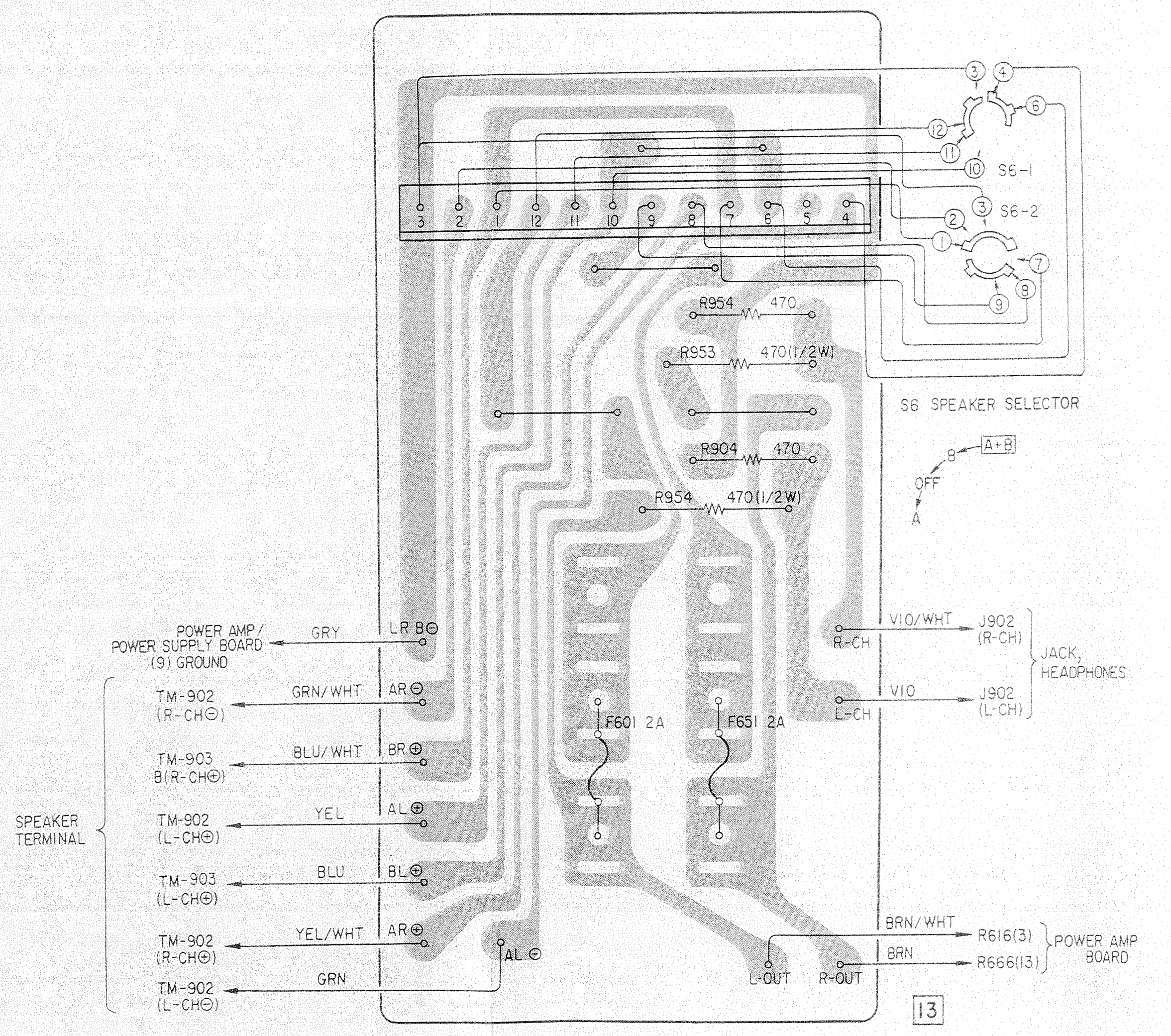
MEMO

SECTION 4
DIAGRAMS

4-1. MOUNTING DIAGRAM – AC/Speaker Board –

– Conductor Side –

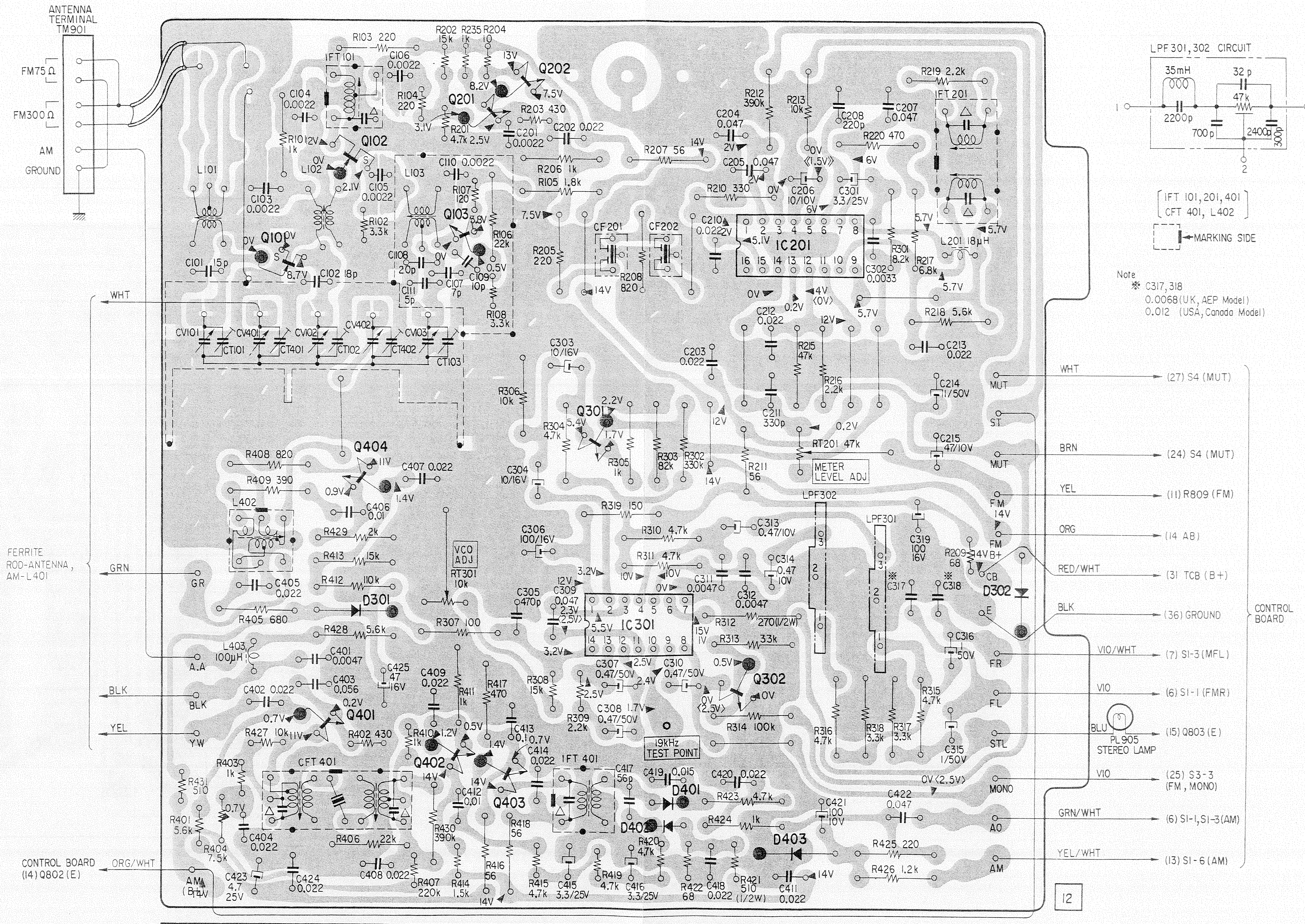
USA Model	Serial No. 802,001 and later
Canada Model	Serial No. 700,001 and later
UK Model	Serial No. 600,001 and later
AEP Model	Serial No. 500,001 and later


③ ④
⑥
⑫
⑪
⑩ S6-1
③ S6-2
②
①
⑦
⑧
⑨
3 2 1 12 11 10 9 8 7 6 5 4
R954 470
R953 470(1/2W)
R904 470
R954 470(1/2W)
S6 SPEAKER SELECTOR
A+B
B
OFF
A
POWER AMP/
POWER SUPPLY BOARD
(9) GROUND
GRY
LR B⊖
SPEAKER TERMINAL
TM-902 (R-CH⊖)
GRN/WHT
AR⊖
TM-903 B(R-CH⊕)
BLU/WHT
BR⊕
TM-902 (L-CH⊕)
YEL
AL⊕
TM-903 (L-CH⊕)
BLU
BL⊕
TM-902 (R-CH⊕)
YEL/WHT
AR⊕
TM-902 (L-CH⊖)
GRN
AL⊖
F601 2A
F651 2A
R-CH
VIO/WHT
J902 (R-CH)
JACK, HEADPHONES
L-CH
VIO
J902 (L-CH)
L-OUT
R-OUT
BRN/WHT
R616(3)
BRN
R666(13)
POWER AMP BOARD
13

4-2. MOUNTING DIAGRAM – Fm (A-m) Front-End/I-f Amp/MPX Board –

– Conductor Side –

USA Model	Serial No. 802,001 and later
Canada Model	Serial No. 700,001 and later
UK Model	Serial No. 600,001 and later
AEP Model	Serial No. 500,001 and later

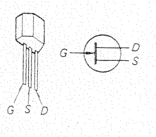

ANTENNA TERMINAL TM901
FM75Ω
FM300Ω
AM
GROUND
FERRITE ROD-ANTENNA, AM-L401
WHT
GRN
BLK
YEL
CONTROL BOARD (14) Q802 (E)
ORG/WHT
IFT101
Q101
Q102
Q103
Q201
Q202
IFT201
IC201
CF201
CF202
L201 18μH
Q301
METER LEVEL ADJ
RT201 47k
LPF301
LPF302
IC301
VCO ADJ
RT301 10k
19kHz TEST POINT
Q302
Q401
Q402
Q403
Q404
L402
L403 100μH
CFT401
IFT401
D301
D302
D401
D402
D403
CV101
CV401
CV102
CV402
CV103
CT101
CT401
CT102
CT402
CT103
PL905 STEREO LAMP
WHT → (27) S4 (MUT)
BRN → (24) S4 (MUT)
YEL → (11) R809 (FM)
ORG → (14 AB)
RED/WHT → (31 TCB (B+)
BLK → (36) GROUND
VIO/WHT → (7) S1-3 (MFL)
VIO → (6) S1-1 (FMR)
BLU → (15) Q803 (E)
VIO → (25) S3-3 (FM, MONO)
GRN/WHT → (6) S1-1, S1-3 (AM)
YEL/WHT → (13) S1-6 (AM)
CONTROL BOARD
12
LPF301, 302 CIRCUIT
35mH
32p
47k
2200p
700p
2400p
300p
1
2
3
IFT 101, 201, 401
CFT 401, L402
MARKING SIDE

Note
※ C317, 318
0.0068 (UK, AEP Model)
0.012 (USA, Canada Model)

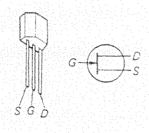
Q IC	101	401	102 404	103 402	201	403	202	301	IC301		302	IC201	
D			301							401 402		403	302

Note: < >: STEREO operation
≪ ≫: MUTING ON
▨ : B+ pattern

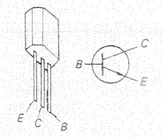
Q101 2SK42



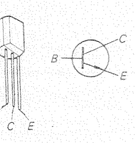
Q102 2SK23



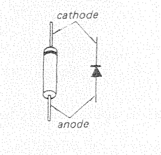
Q201, 202 2SC403C
Q301 2SC631A
Q302, 401 2SC633A



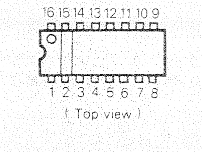
Q103, 402 / Q403, 404 2SC710



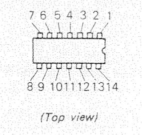
D301, 302 1S1555
D401, 402 1T22A
D403 1T40


cathode
anode

IC201 HA1137


16 15 14 13 12 11 10 9
1 2 3 4 5 6 7 8
(Top view)

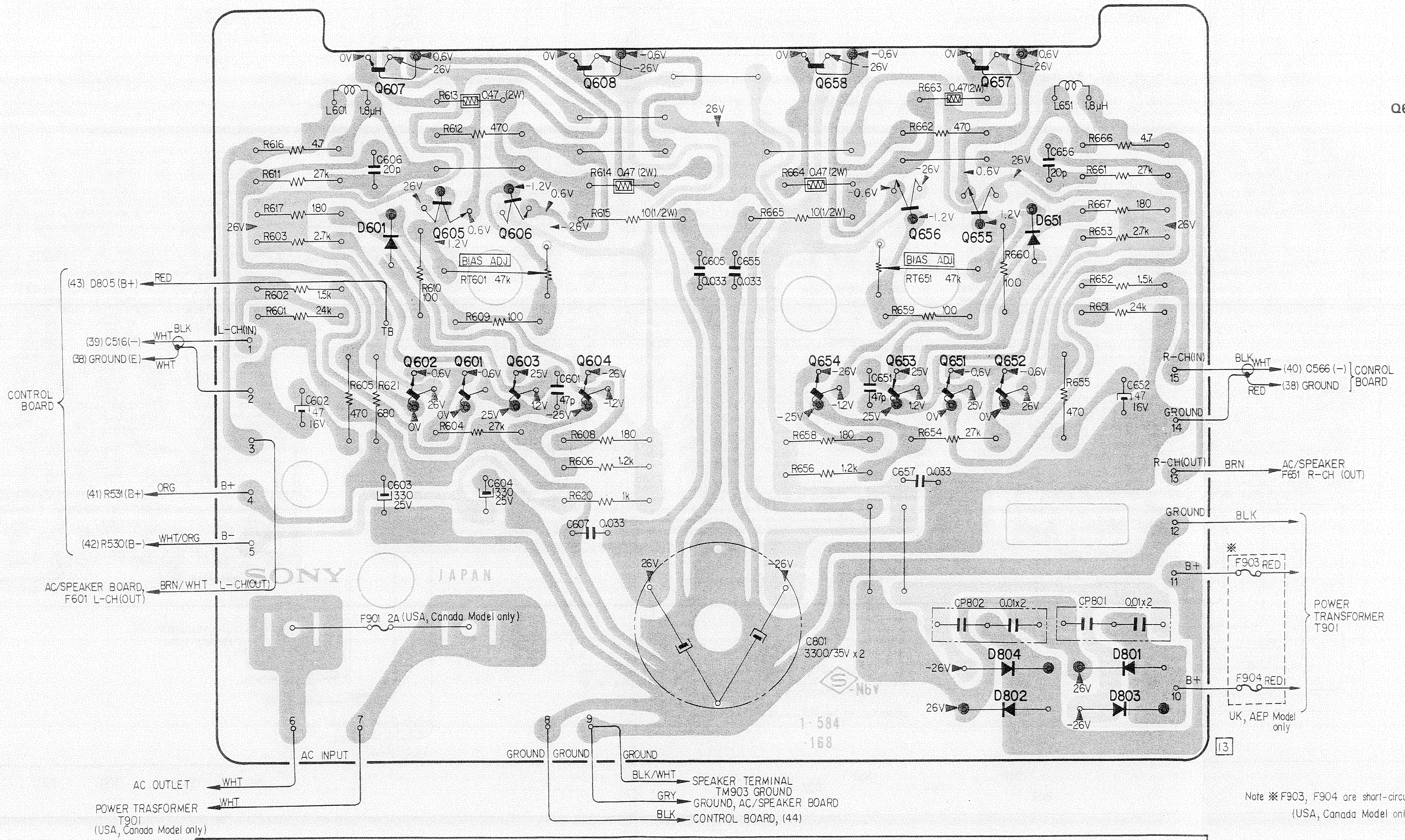
IC301 HA1156


7 6 5 4 3 2 1
8 9 10 11 12 13 14
(Top view)

4-3. MOUNTING DIAGRAM – Power Amp/Power Supply Board –

– Conductor Side –

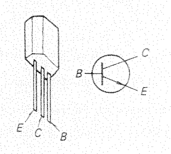
USA Model	Serial No. 802,001 and later
Canada Model	Serial No. 700,001 and later
UK Model	Serial No. 600,001 and later
AEP Model	Serial No. 500,001 and later


Q607
Q608
Q658
Q657
0V
0.6V
-0.6V
26V
-26V
L601 1.8μH
L651 1.8μH
R613 0.47 (2W)
R663 0.47(2W)
R612 470
R662 470
R616 47
R666 47
R611 27k
R661 27k
C606 20p
C656 20p
R617 180
R667 180
R603 2.7k
R653 27k
R614 0.47 (2W)
R664 0.47(2W)
R615 10(1/2W)
R665 10(1/2W)
D601
D651
Q605
Q606
Q656
Q655
-1.2V
BIAS ADJ
RT601 47k
RT651 47k
R610 100
R660 100
C605 0.033
C655 0.033
R602 1.5k
R652 1.5k
R601 24k
R651 24k
R609 100
R659 100
TB
Q602
Q601
Q603
Q604
Q654
Q653
Q651
Q652
C601 47p
C651 47p
R605 470
R621 680
R655 470
C602 47 16V
C652 47 16V
R604 27k
R654 27k
R608 180
R658 180
R606 1.2k
R656 1.2k
R620 1k
C657 0.033
C607 0.033
C603 330 25V
C604 330 25V
(43) D805 (B+)
RED
(39) C516(–)
WHT
BLK
(38) GROUND (E)
WHT
L-CH(IN)
1
2
3
CONTROL BOARD
(41) R531 (B+)
ORG
B+
4
(42) R530 (B–)
WHT/ORG
B–
5
AC/SPEAKER BOARD, F601 L-CH(OUT)
BRN/WHT
L-CH(OUT)
SONY
JAPAN
F901 2A (USA, Canada Model only)
C801 3300/35V x2
CP802 0.01x2
CP801 0.01x2
D804
D802
D801
D803
1-584-168
6
7
AC INPUT
AC OUTLET
WHT
POWER TRASFORMER T901 (USA, Canada Model only)
WHT
8
9
GROUND
GROUND
GROUND
BLK/WHT
SPEAKER TERMINAL TM903 GROUND
GRY
GROUND, AC/SPEAKER BOARD
BLK
CONTROL BOARD, (44)
R-CH(IN)
15
BLK
WHT
(40) C566 (–)
(38) GROUND
RED
CONROL BOARD
GROUND
14
R-CH(OUT)
13
BRN
AC/SPEAKER F651 R-CH (OUT)
GROUND
12
BLK
※
B+
11
F903 RED
POWER TRANSFORMER T901
B+
10
F904 RED
UK, AEP Model only
13

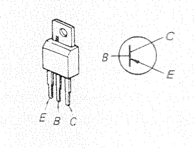
Note ※ F903, F904 are short-circuited (USA, Canada Model only)

Q	607 602 605 601 606 603 608 604 658 654 656 653 651 657 655 652
D	601 804 802 651 801 803

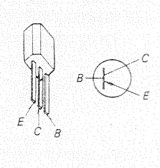
Q601, 602 2SC632A
Q604 2SC634A



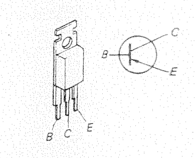
Q606 2SA706



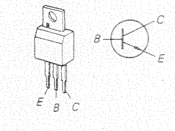
Q603 2SA705



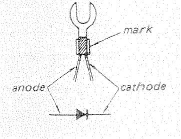
Q608 2SA671



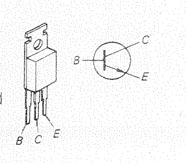
Q605 2SC1124



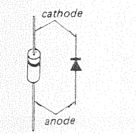
D601, 651 SV-04F


mark
anode
cathode

Q607 2SC1061



D801, 802 / D803, 804 } 10E-2

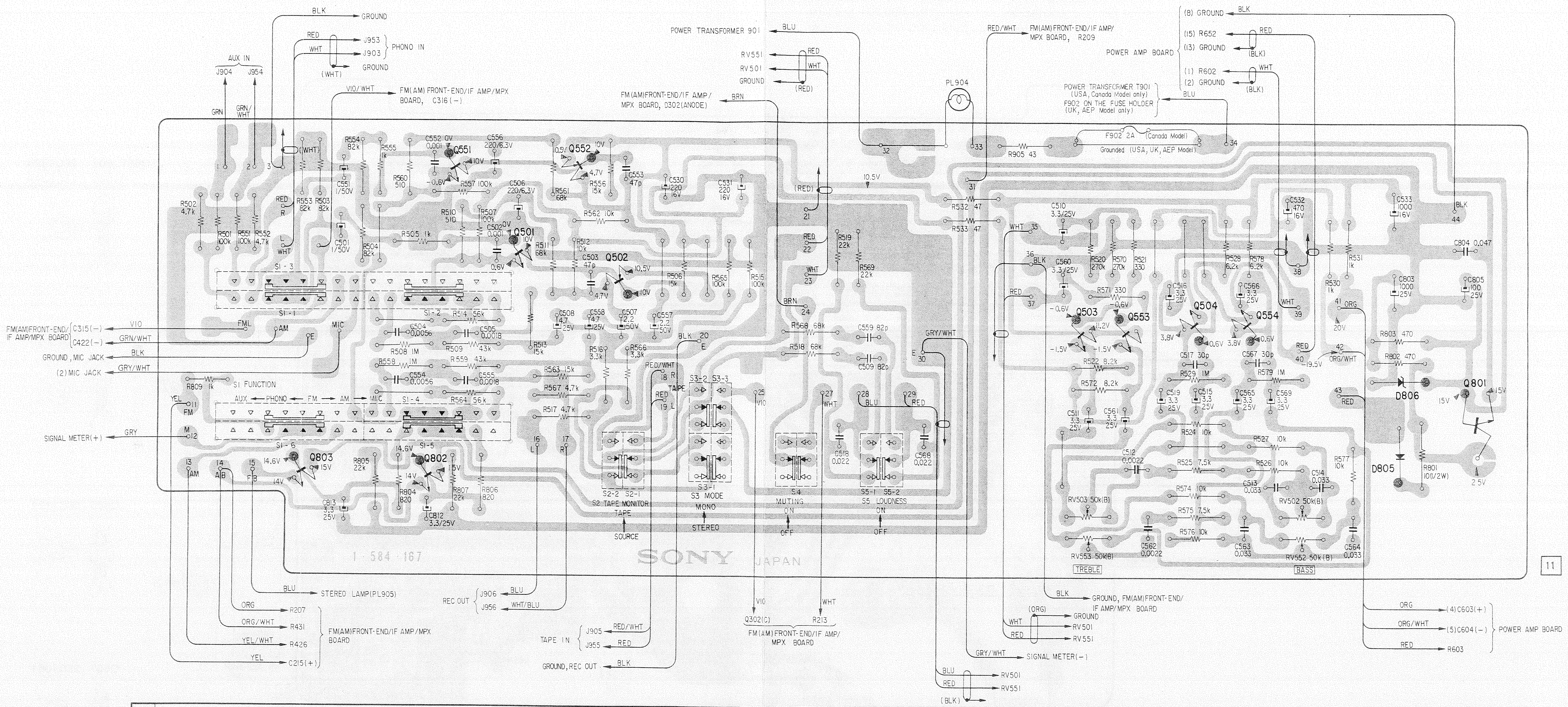

cathode
anode

Note: ▨ : B + pattern
▨ : B - pattern

4-4. MOUNTING DIAGRAM – Control Board –

– Conductor Side –

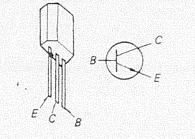
USA Model	Serial No. 802,001 and later
Canada Model	Serial No. 700,001 and later
UK Model	Serial No. 600,001 and later
AEP Model	Serial No. 500,001 and later



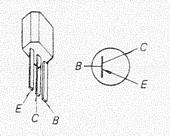
BLK GROUND
RED J953
WHT J903
PHONO IN
(WHT) GROUND
AUX IN J904 J954
GRN GRN/WHT
VIO/WHT FM(AM) FRONT-END/IF AMP/MPX BOARD, C316(−)
POWER TRANSFORMER 901 BLU
RV551 RV501 GROUND RED WHT (RED)
FM(AM)FRONT-END/IF AMP/MPX BOARD, D302(ANODE) BRN
PL904
RED/WHT FM(AM)FRONT-END/IF AMP/MPX BOARD, R209
POWER AMP BOARD (8) GROUND BLK (15) R652 RED (13) GROUND (BLK) (1) R602 WHT (2) GROUND (BLK)
POWER TRANSFORMER T901 (USA, Canada Model only) F902 ON THE FUSE HOLDER (UK, AEP Model only) BLU
F902 2A (Canada Model) Grounded (USA, UK, AEP Model)
R905 43
Q551 Q552 Q501 Q502 Q503 Q553 Q504 Q554 Q801 Q802 Q803 D805 D806
S1-3 S1-1 S1-2 S1-4 S1-5 S1-6
S1 FUNCTION AUX PHONO FM AM MIC
FM(AM)FRONT-END/IF AMP/MPX BOARD C315(−) VIO C422(−) GRN/WHT
GROUND, MIC JACK BLK
(2) MIC JACK GRY/WHT
SIGNAL METER(+) GRY
S2 TAPE MONITOR TAPE SOURCE
S3 MODE MONO STEREO
S4 MUTING ON OFF
S5 LOUDNESS ON OFF
RV503 50k(B) TREBLE RV553 50k(B)
RV502 50k(B) BASS RV552 50k(B)
1-584-167 SONY JAPAN
11
BLU STEREO LAMP(PL905)
ORG R207 ORG/WHT R431 YEL/WHT R426 YEL C215(+) FM(AM)FRONT-END/IF AMP/MPX BOARD
REC OUT J906 BLU J956 WHT/BLU
TAPE IN J905 RED/WHT J955 RED
GROUND, REC OUT BLK
VIO Q302(C) WHT R213 FM(AM)FRONT-END/IF AMP/MPX BOARD
BLK GROUND, FM(AM)FRONT-END/IF AMP/MPX BOARD
(ORG) GROUND WHT RV501 RED RV551
GRY/WHT SIGNAL METER(−)
BLU RV501 RED RV551 (BLK)
ORG (4)C603(+) ORG/WHT (5)C604(−) RED R603 POWER AMP BOARD

Q	803 802 551 501 552 502 503 553 504 554 801
D	806 805

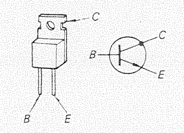
Q501, 551 } 2SC631A
Q504, 554 } 2SC631A
Q503, 553 2SC634A



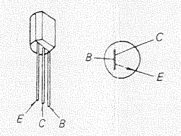
Q502, 552 2SA705



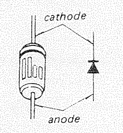
Q801 2SC1060



Q802, 803 2SC1364

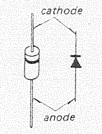


D806 EQA-01-16



cathode
anode

D805 10E-2

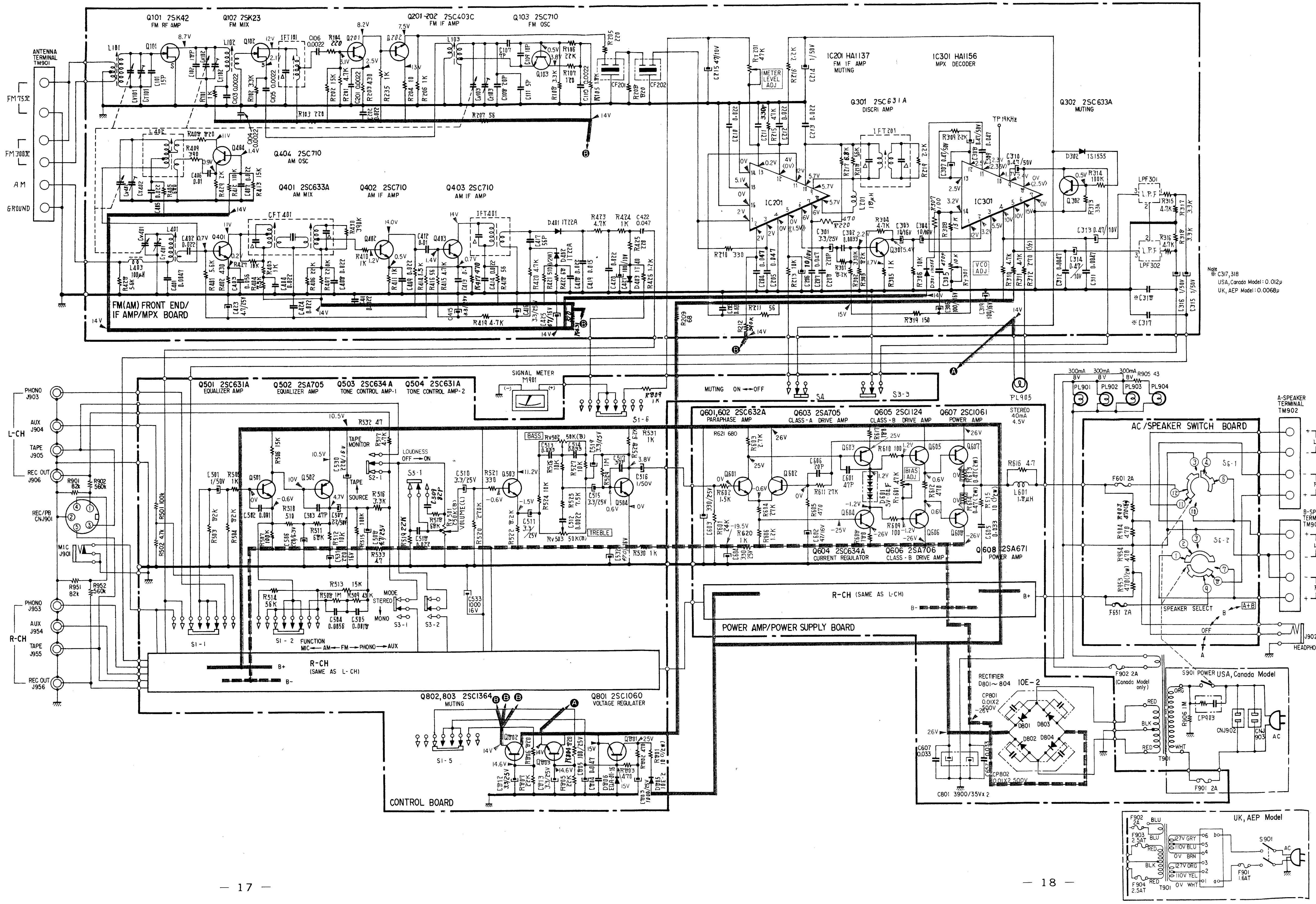


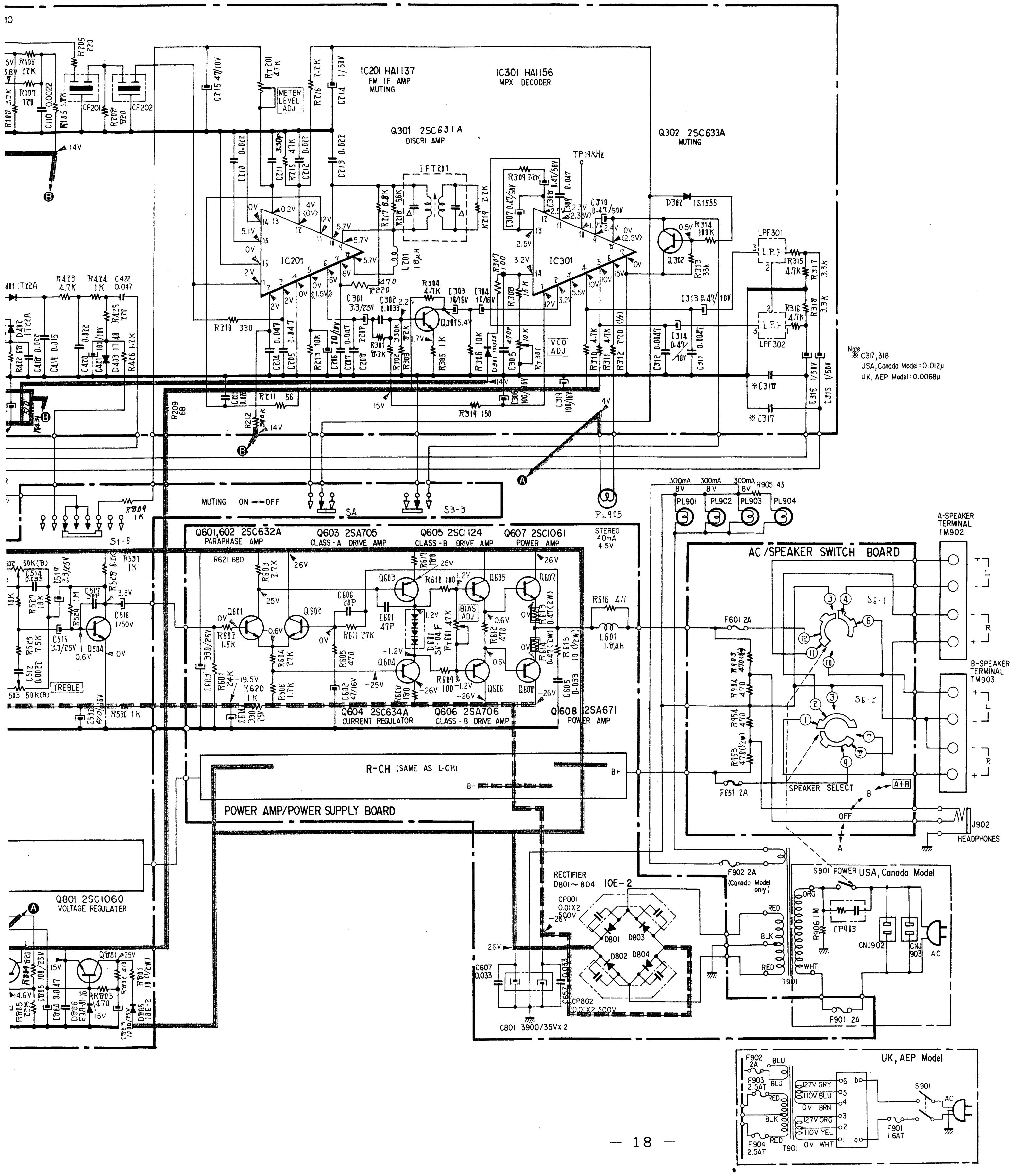
cathode
anode

Note: ▨ : B+ pattern
▨ : B − pattern

4-5. SCHEMATIC DIAGRAM

USA Model	Serial No. 802,001 and later
Canada Model	Serial No. 700,001 and later
UK Model	Serial No. 600,001 and later
AEP Model	Serial No. 500,001 and later


Q101 2SK42 FM RF AMP
Q102 2SK23 FM MIX
Q201-202 2SC403C FM IF AMP
Q103 2SC710 FM OSC
IC201 HA1137 FM IF AMP MUTING
IC301 HA1156 MPX DECODER
Q301 2SC631A DISCRI AMP
Q302 2SC633A MUTING
Q404 2SC710 AM OSC
Q401 2SC633A AM MIX
Q402 2SC710 AM IF AMP
Q403 2SC710 AM IF AMP
ANTENNA TERMINAL TM901
FM 75Ω
FM 300Ω
AM
GROUND
FM(AM) FRONT END/ IF AMP/MPX BOARD
METER LEVEL ADJ
VCO ADJ
TP 19KHz
LPF301
LPF302
Note ※C317, 318 USA, Canada Model: 0.012μ UK, AEP Model: 0.0068μ
SIGNAL METER M901
MUTING ON→OFF
S4
S3-3
S1-6
PL905
Q501 2SC631A EQUALIZER AMP
Q502 2SA705 EQUALIZER AMP
Q503 2SC634A TONE CONTROL AMP-1
Q504 2SC631A TONE CONTROL AMP-2
PHONO J903
AUX J904
TAPE J905
REC OUT J906
L-CH
REC/PB CNJ901
MIC J901
PHONO J953
AUX J954
TAPE J955
REC OUT J956
R-CH
TAPE MONITOR
LOUDNESS OFF→ON
S2-1
TAPE SOURCE
S5-1
VOLUME(L)
BASS
TREBLE
S1-1
S1-2 FUNCTION MIC→AM→FM→PHONO→AUX
MODE STEREO MONO
S3-1
S3-2
R-CH (SAME AS L-CH)
Q802,803 2SC1364 MUTING
Q801 2SC1060 VOLTAGE REGULATOR
S1-5
CONTROL BOARD
Q601,602 2SC632A PARAPHASE AMP
Q603 2SA705 CLASS-A DRIVE AMP
Q605 2SC1124 CLASS-B DRIVE AMP
Q607 2SC1061 POWER AMP
Q604 2SC634A CURRENT REGULATOR
Q606 2SA706 CLASS-B DRIVE AMP
Q608 2SA671 POWER AMP
BIAS ADJ
STEREO 40mA 4.5V
R-CH (SAME AS L-CH)
POWER AMP/POWER SUPPLY BOARD
PL901
PL902
PL903
PL904
AC/SPEAKER SWITCH BOARD
A-SPEAKER TERMINAL TM902
B-SPEAKER TERMINAL TM903
S6-1
S6-2
SPEAKER SELECT A+B B A OFF
J902 HEADPHONES
F601 2A
F651 2A
RECTIFIER D801~804 10E-2
C801 3900/35V×2
F902 2A (Canada Model only)
S901 POWER USA, Canada Model
T901
F901 2A
CNJ902
CNJ903
AC
UK, AEP Model
F902 2A
F903 2.5AT
F904 2.5AT
127V GRY
110V BLU
0V BRN
127V ORG
110V YEL
0V WHT
S901
F901 1.6AT


IC201 HA1137 FM IF AMP MUTING
IC301 HA1156 MPX DECODER
Q301 2SC631A DISCRI AMP
Q302 2SC633A MUTING
METER LEVEL ADJ
VCO ADJ
TP 19KHz
IFT201
LPF301
LPF302
D302 1S1555
Note
※C317,318
USA, Canada Model: 0.012μ
UK, AEP Model: 0.0068μ
MUTING ON→OFF
S4
S3-3
S1-6
PL905
PL901
PL902
PL903
PL904
R905 43
300mA 8V
Q601,602 2SC632A PARAPHASE AMP
Q603 2SA705 CLASS-A DRIVE AMP
Q605 2SC1124 CLASS-B DRIVE AMP
Q607 2SC1061 POWER AMP
STEREO 40mA 4.5V
Q604 2SC634A CURRENT REGULATOR
Q606 2SA706 CLASS-B DRIVE AMP
Q608 2SA671 POWER AMP
BIAS ADJ
TREBLE
R-CH (SAME AS L-CH)
B+
B-
POWER AMP/POWER SUPPLY BOARD
AC/SPEAKER SWITCH BOARD
A-SPEAKER TERMINAL TM902
B-SPEAKER TERMINAL TM903
S6-1
S6-2
SPEAKER SELECT
A+B
OFF
J902 HEADPHONES
F601 2A
F651 2A
L601 1.5μH
Q801 2SC1060 VOLTAGE REGULATER
RECTIFIER D801~804 10E-2
CP801 0.01X2 500V
CP802 0.01X2 500V
C801 3900/35V×2
C607 0.033
F902 2A (Canada Model only)
S901 POWER
USA, Canada Model
CP903
CNJ902
CNJ903
AC
T901
F901 2A
ORG
RED
BLK
WHT
UK, AEP Model
F902 2A
F903 2.5AT
F904 2.5AT
BLU
127V GRY
110V BLU
0V BRN
127V ORG
110V YEL
0V WHT
S901
F901 1.6AT

Note:

- All capacitors are in μF unless otherwise noted. 50 or less working volts are omitted except for electrolytic type. p = μμF
- All resistors are in Ω, ¼W, unless otherwise noted. k = 1,000 M = 1,000 k
- Voltages are DC with respect to ground unless otherwise noted. Readings taken under no-signal conditions with a VOM (20 kΩ/V).
- Voltage variations may be noted due to normal production tolerances.

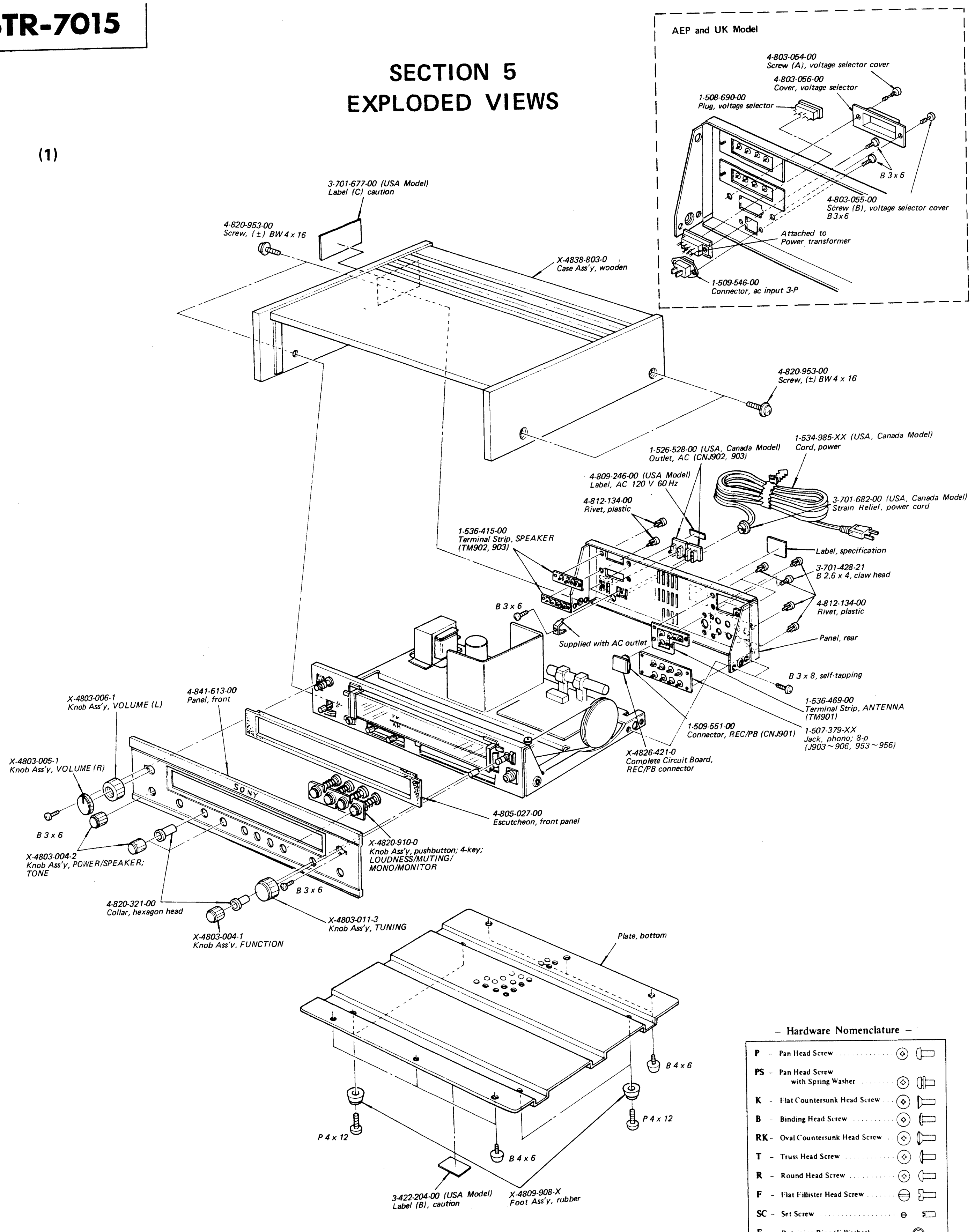
< >: STEREO operation
≪ ≫: MUTING ON
▬▬: indicates B+ line
▬ ▬ ▬: indicates B− line

- **Switch Mode:**

Ref. No.	Switch	Position
S1	FUNCTION	FM
S2	MONITOR	SOURCE
S3	MODE	STEREO
S4	MUTING	OFF
S5	LOUDNESS	OFF
S6	SPEAKER	A+B
S7	POWER	OFF

SECTION 5
EXPLODED VIEWS

(1)


AEP and UK Model
4-803-054-00
Screw (A), voltage selector cover
4-803-056-00
Cover, voltage selector
1-508-690-00
Plug, voltage selector
B 3 x 6
4-803-055-00
Screw (B), voltage selector cover
B 3x6
Attached to
Power transformer
1-509-546-00
Connector, ac input 3-P
3-701-677-00 (USA Model)
Label (C) caution
4-820-953-00
Screw, (±) BW 4 x 16
X-4838-803-0
Case Ass'y, wooden
4-820-953-00
Screw, (±) BW 4 x 16
1-534-985-XX (USA, Canada Model)
Cord, power
1-526-528-00 (USA, Canada Model)
Outlet, AC (CNJ902, 903)
4-809-246-00 (USA Model)
Label, AC 120 V 60 Hz
4-812-134-00
Rivet, plastic
3-701-682-00 (USA, Canada Model)
Strain Relief, power cord
1-536-415-00
Terminal Strip, SPEAKER
(TM902, 903)
Label, specification
3-701-428-21
B 2.6 x 4, claw head
4-812-134-00
Rivet, plastic
B 3 x 6
Supplied with AC outlet
Panel, rear
B 3 x 8, self-tapping
1-536-469-00
Terminal Strip, ANTENNA
(TM901)
1-509-551-00
Connector, REC/PB (CNJ901)
1-507-379-XX
Jack, phono; 8-p
(J903 ~ 906, 953 ~ 956)
X-4826-421-0
Complete Circuit Board,
REC/PB connector
X-4803-006-1
Knob Ass'y, VOLUME (L)
4-841-613-00
Panel, front
X-4803-005-1
Knob Ass'y, VOLUME (R)
SONY
B 3 x 6
X-4803-004-2
Knob Ass'y, POWER/SPEAKER;
TONE
4-805-027-00
Escutcheon, front panel
X-4820-910-0
Knob Ass'y, pushbutton; 4-key;
LOUDNESS/MUTING/
MONO/MONITOR
B 3 x 6
4-820-321-00
Collar, hexagon head
X-4803-011-3
Knob Ass'y, TUNING
X-4803-004-1
Knob Ass'y, FUNCTION
Plate, bottom
B 4 x 6
P 4 x 12
P 4 x 12
B 4 x 6
3-422-204-00 (USA Model)
Label (B), caution
X-4809-908-X
Foot Ass'y, rubber

– Hardware Nomenclature –

P	Pan Head Screw
PS	Pan Head Screw with Spring Washer
K	Flat Countersunk Head Screw
B	Binding Head Screw
RK	Oval Countersunk Head Screw
T	Truss Head Screw
R	Round Head Screw
F	Flat Fillister Head Screw
SC	Set Screw
E	Retaining Ring (E Washer)

W – Washer
SW – Spring Washer
LW – Lock Washer
N – Nut

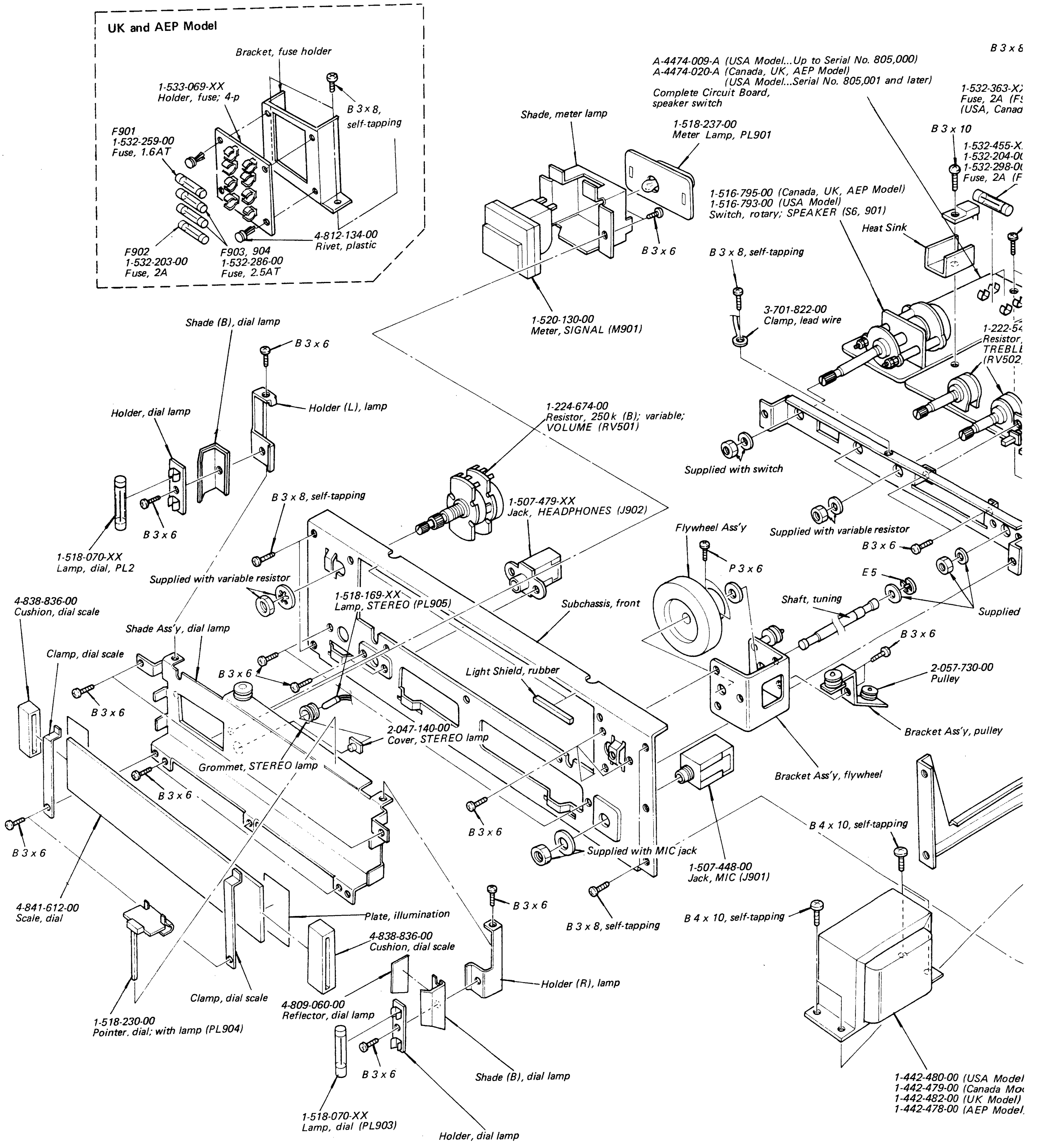
– **Example** –

Type of Slot
⊕ P 3x10
Length in mm (L)
Diameter in mm (D)
Type of Head

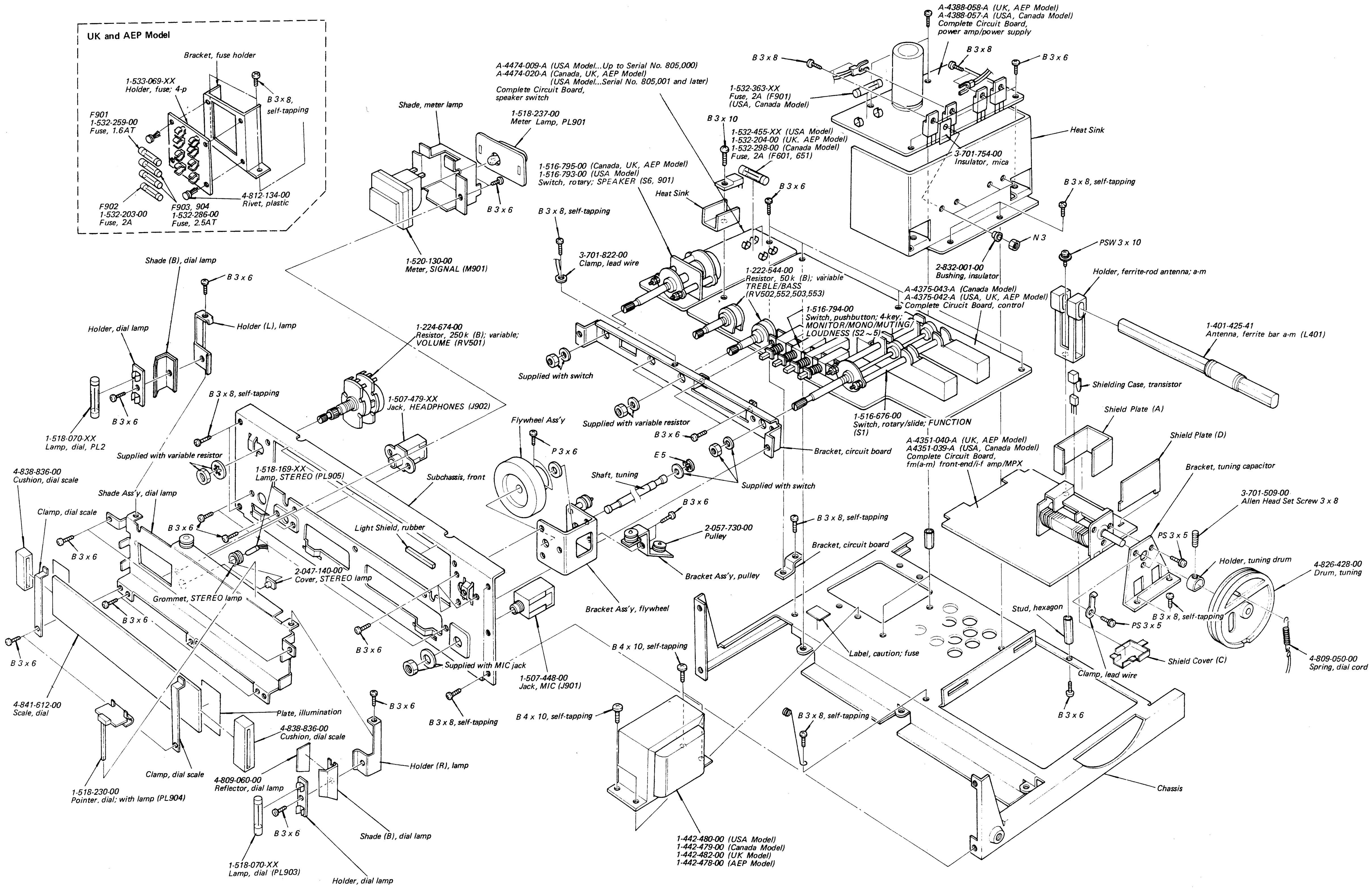
Note:

- ○ Items without part number and description are not available.
- ○ All screws are Phillips (cross recess) type unless otherwise noted.
  (–) = slotted head

(2)


UK and AEP Model
Bracket, fuse holder
1-533-069-XX
Holder, fuse; 4-p
B 3 x 8,
self-tapping
F901
1-532-259-00
Fuse, 1.6AT
4-812-134-00
Rivet, plastic
F902
1-532-203-00
Fuse, 2A
F903, 904
1-532-286-00
Fuse, 2.5AT
Shade, meter lamp
B 3 x 6
1-520-130-00
Meter, SIGNAL (M901)
A-4474-009-A (USA Model...Up to Serial No. 805,000)
A-4474-020-A (Canada, UK, AEP Model)
(USA Model...Serial No. 805,001 and later)
Complete Circuit Board,
speaker switch
1-518-237-00
Meter Lamp, PL901
B 3 x
1-532-363-X
Fuse, 2A (F
(USA, Canad
B 3 x 10
1-532-455-X
1-532-204-0
1-532-298-0
Fuse, 2A (F
1-516-795-00 (Canada, UK, AEP Model)
1-516-793-00 (USA Model)
Switch, rotary; SPEAKER (S6, 901)
Heat Sink
B 3 x 8, self-tapping
3-701-822-00
Clamp, lead wire
1-222-54
Resistor,
TREBL
(RV502
Shade (B), dial lamp
B 3 x 6
Holder (L), lamp
Holder, dial lamp
1-224-674-00
Resistor, 250k (B); variable;
VOLUME (RV501)
Supplied with switch
B 3 x 8, self-tapping
1-507-479-XX
Jack, HEADPHONES (J902)
Flywheel Ass'y
Supplied with variable resistor
B 3 x 6
1-518-070-XX
Lamp, dial, PL2
B 3 x 6
P 3 x 6
Supplied with variable resistor
1-518-169-XX
Lamp, STEREO (PL905)
Subchassis, front
E 5
Shaft, tuning
Supplied
4-838-836-00
Cushion, dial scale
Shade Ass'y, dial lamp
B 3 x 6
Clamp, dial scale
B 3 x 6
Light Shield, rubber
2-057-730-00
Pulley
B 3 x 6
Bracket Ass'y, pulley
2-047-140-00
Cover, STEREO lamp
Grommet, STEREO lamp
B 3 x 6
Bracket Ass'y, flywheel
B 3 x 6
B 3 x 6
B 4 x 10, self-tapping
Supplied with MIC jack
1-507-448-00
Jack, MIC (J901)
4-841-612-00
Scale, dial
B 3 x 6
Plate, illumination
B 3 x 8, self-tapping
B 4 x 10, self-tapping
4-838-836-00
Cushion, dial scale
Holder (R), lamp
Clamp, dial scale
1-518-230-00
Pointer, dial; with lamp (PL904)
4-809-060-00
Reflector, dial lamp
B 3 x 6
Shade (B), dial lamp
1-518-070-XX
Lamp, dial (PL903)
Holder, dial lamp
1-442-480-00 (USA Model
1-442-479-00 (Canada Mo
1-442-482-00 (UK Model)
1-442-478-00 (AEP Model

(2)


UK and AEP Model
Bracket, fuse holder
1-533-069-XX
Holder, fuse; 4-p
B 3 x 8, self-tapping
F901
1-532-259-00
Fuse, 1.6AT
F902
1-532-203-00
Fuse, 2A
F903, 904
1-532-286-00
Fuse, 2.5AT
4-812-134-00
Rivet, plastic
Shade, meter lamp
1-518-237-00
Meter Lamp, PL901
B 3 x 6
1-520-130-00
Meter, SIGNAL (M901)
A-4474-009-A (USA Model...Up to Serial No. 805,000)
A-4474-020-A (Canada, UK, AEP Model)
(USA Model...Serial No. 805,001 and later)
Complete Circuit Board,
speaker switch
1-516-795-00 (Canada, UK, AEP Model)
1-516-793-00 (USA Model)
Switch, rotary; SPEAKER (S6, 901)
Heat Sink
B 3 x 8, self-tapping
3-701-822-00
Clamp, lead wire
B 3 x 10
1-532-455-XX (USA Model)
1-532-204-00 (UK. AEP Model)
1-532-298-00 (Canada Model)
Fuse, 2A (F601, 651)
B 3 x 6
1-532-363-XX
Fuse, 2A (F901)
(USA, Canada Model)
B 3 x 8
A-4388-058-A (UK, AEP Model)
A-4388-057-A (USA, Canada Model)
Complete Circuit Board,
power amp/power supply
B 3 x 8
B 3 x 6
Heat Sink
3-701-754-00
Insulator, mica
B 3 x 8, self-tapping
N 3
2-832-001-00
Bushing, insulator
PSW 3 x 10
Holder, ferrite-rod antenna; a-m
1-222-544-00
Resistor, 50k (B); variable
TREBLE/BASS
(RV502,552,503,553)
A-4375-043-A (Canada Model)
A-4375-042-A (USA, UK, AEP Model)
Complete Circucit Board, control
1-516-794-00
Switch, pushbutton; 4-key;
MONITOR/MONO/MUTING/
LOUDNESS (S2 ~ 5)
1-401-425-41
Antenna, ferrite bar a-m (L401)
Shielding Case, transistor
Shield Plate (A)
Shield Plate (D)
Bracket, tuning capacitor
3-701-509-00
Allen Head Set Screw 3 x 8
Shade (B), dial lamp
B 3 x 6
Holder (L), lamp
Holder, dial lamp
B 3 x 6
1-518-070-XX
Lamp, dial, PL2
1-224-674-00
Resistor, 250k (B); variable;
VOLUME (RV501)
Supplied with switch
B 3 x 8, self-tapping
1-507-479-XX
Jack, HEADPHONES (J902)
Supplied with variable resistor
Flywheel Ass'y
P 3 x 6
Supplied with variable resistor
B 3 x 6
1-516-676-00
Switch, rotary/slide; FUNCTION
(S1)
A-4351-040-A (UK, AEP Model)
A4351-039-A (USA, Canada Model)
Complete Circuit Board,
fm(a-m) front-end/i-f amp/MPX
Bracket, circuit board
E 5
Supplied with switch
Shaft, tuning
4-838-836-00
Cushion, dial scale
Shade Ass'y, dial lamp
1-518-169-XX
Lamp, STEREO (PL905)
Subchassis, front
Clamp, dial scale
B 3 x 6
B 3 x 6
Light Shield, rubber
B 3 x 6
2-057-730-00
Pulley
Bracket Ass'y, pulley
2-047-140-00
Cover, STEREO lamp
Grommet, STEREO lamp
B 3 x 6
B 3 x 8, self-tapping
Bracket, circuit board
PS 3 x 5
Holder, tuning drum
4-826-428-00
Drum, tuning
Bracket Ass'y, flywheel
Stud, hexagon
B 3 x 8, self-tapping
PS 3 x 5
B 3 x 6
B 3 x 6
Supplied with MIC jack
1-507-448-00
Jack, MIC (J901)
B 4 x 10, self-tapping
Label, caution; fuse
Clamp, lead wire
Shield Cover (C)
4-809-050-00
Spring, dial cord
B 3 x 6
4-841-612-00
Scale, dial
B 3 x 6
Plate, illumination
4-838-836-00
Cushion, dial scale
B 3 x 8, self-tapping
B 4 x 10, self-tapping
B 3 x 8, self-tapping
B 3 x 6
Holder (R), lamp
Clamp, dial scale
4-809-060-00
Reflector, dial lamp
1-518-230-00
Pointer, dial; with lamp (PL904)
B 3 x 6
Shade (B), dial lamp
Chassis
1-518-070-XX
Lamp, dial (PL903)
Holder, dial lamp
1-442-480-00 (USA Model)
1-442-479-00 (Canada Model)
1-442-482-00 (UK Model)
1-442-478-00 (AEP Model)

Note:

- ○ Items without part number and description are not available.
- ○ All screws are Phillips (cross recess) type unless otherwise noted.
  (–) = slotted head

SECTION 6
ELECTRICAL PARTS LIST

COMPLETE CIRCUIT BOARDS

Ref. No.	Part No.	Description
	A-4351-039-A	Fm (A-m) Front-End/I-f Amp/MPX (USA, Canada Model)
	A-4351-040-A	Fm (A-m) Front-End/I-f Amp/MPX (UK, AEP Model)
	A-4375-042-A	Control (USA, UK, AEP Model)
	A-4375-043-A	Control (Canada Model)
	A-4388-057-A	Power Amp/Power Supply (USA, Canada Model)
	A-4388-058-A	Power Amp/Power Supply (UK, AEP Model)
	A-4474-020-A	AC/Speaker
	X-4826-421-A	Connector, REC/PB

TRANSFORMERS, COILS AND INDUCTORS

Ref. No.	Part No.	Description
IFT101	1-403-914-00	IFT, 10.7 MHz
IFT201	1-404-011-00	Transformer, discriminator
IFT401	1-403-149-00	IFT, 455 kHz
CFT401	1-403-150-00	I-f Trans./Ceramic Filter (USA, Canada Model)
	1-403-830-00	I-f Trans./Ceramic Filter (UK, AEP Model)
L101	1-401-541-00	1-401-541-00
L102	1-405-599-00	Coil, fm rf
L103	1-405-598-00	Coil, fm osc
L201	1-407-160-XX	Microinductor 18 μH
L401	1-401-425-41	Ferrite rod antenna, a-m
L402	1-405-444-00	Coil, a-m osc
L403	1-407-169-XX	Microinductor 100 μH
L601,651	1-407-592-51	Microinductor 1.8 μH
T901	1-442-478-00	Transformer, power (AEP Model)
	1-442-479-00	Transformer, power (Canada Model)
	1-442-480-00	Transformer, power (USA Model)
	1-442-482-00	Transformer, power (UK Model)

CAPACITORS

All capacitors are in μF unless otherwise indicated. 50 or less working volts are omitted except for electrolytic type. (elect = electrolytic, p = μμF)

Ref. No.	Part No.	Description		
C101	1-102-951-11	15 p		ceramic
C102	1-102-953-11	18 p		ceramic
C103~106 C107	1-102-257-11	0.0022		ceramic
C108	1-102-804-11	20 p		ceramic
C109	1-101-978-11	10 p		ceramic
C110	1-102-257-11	0.0022		ceramic
C111	1-102-872-11	5 p		ceramic
C201	1-102-257-11	0.0022		ceramic
C202,203	1-101-924-11	0.022		ceramic
C204,205	1-101-925-11	0.047		ceramic
C206	1-121-469-11	10	10 V	elect
C207	1-105-681-12	0.047		mylar
C208	1-102-978-11	220 p		ceramic
C210	1-101-924-11	0.022		ceramic
C211	1-102-820-11	330 p		ceramic
C212,213	1-101-924-11	0.022		ceramic
C214	1-121-391-11	1	50 V	elect
C215	1-121-352-11	47	10 V	elect
C301	1-121-392-11	3.3	25 V	elect
C302	1-105-667-12	0.0033		mylar
C303,304	1-121-651-11	10	16 V	elect
C305	1-103-717-11	470 p		styrol
C306	1-121-415-11	100	16 V	elect
C307,308	1-121-726-11	0.47	50 V	elect
C309	1-105-681-12	0.047		mylar
C310	1-121-726-11	0.47	50 V	elect
C311,312	1-105-669-12	0.0047		mylar
C313,314	1-127-022-11	0.47	10 V	solid aluminum
C315,316	1-121-391-11	1	50 V	elect
C317,318	1-105-514-12	0.012		mylar (USA, Canada Model)
	1-105-671-12	0.0068		mylar (UK, AEP Model)
C319	1-121-415-11	100	16 V	elect
C401	1-105-669-12	0.0047		mylar
C402	1-101-924-11	0.022		ceramic
C403	1-105-682-12	0.056		ceramic
C404	1-101-924-11	0.022		ceramic
C405	1-105-677-12	0.022		mylar
C406	1-105-673-12	0.01		mylar
C407	1-105-677-12	0.022		mylar
C408,409	1-101-924-11	0.022		ceramic
C411	1-101-924-11	0.022		ceramic
C412	1-101-923-11	0.01		ceramic
C413	1-105-685-12	0.1		mylar
C414	1-101-924-11	0.022		ceramic
C415,416	1-121-392-11	3.3	25 V	elect
C417	1-101-884-11	56 p		ceramic
C418	1-101-924-11	0.022		ceramic
C419	1-105-675-12	0.015		mylar
C420	1-105-677-12	0.022		mylar
C421	1-121-414-11	100	10 V	elect
C422	1-105-681-12	0.047		mylar
C423	1-121-395-11	4.7	25 V	elect
C424	1-101-924-11	0.022		ceramic
C425	1-121-409-11	47	16 V	elect
C501,551	1-121-912-11	1	50 V	elect
C502,552	1-105-661-12	0.001		mylar
C503,553	1-101-880-11	47 p		ceramic
C504,554	1-105-670-12	0.0056		mylar
C505,555	1-105-664-12	0.0018		mylar
C506,556	1-121-419-11	220	6.3 V	elect
C507,557	1-123-050-11	2.2	50 V	elect
C508,558	1-121-395-11	4.7	25 V	elect
C509,559	1-102-971-11	82 p		ceramic
C510,560 C511,561	1-121-913-11	3.3	25 V	elect
C512,562	1-105-665-12	0.0022		mylar
C513,563 C514,564	1-105-679-12	0.033		mylar
C515,565	1-121-913-11	3.3	25 V	elect
C516,566	1-121-912-11	1	50 V	elect
C517,567	1-102-962-11	30 p		ceramic
C518,568	1-105-677-12	0.022		mylar
C519,569	1-121-913-11	3.3	25 V	elect
C530,531	1-121-421-11	220	16 V	elect
C532	1-121-426-11	470	16 V	elect
C533	1-121-245-11	1000	16 V	elect
C601,651	1-101-880-11	47 p		ceramic
C602,652	1-121-409-11	47	16 V	elect
C603,604	1-121-654-11	330	25 V	elect
C605,655	1-105-679-12	0.033		mylar
C606,656	1-102-958-11	20 p		ceramic
C607,657	1-105-679-12	0.033		mylar
C801 C802	1-125-095-11	(3900 + 3900)	35 V	elect
C803	1-123-066-11	1000	25 V	elect
C804	1-105-681-12	0.047		mylar
C805	1-121-935-11	100	25 V	elect
C812,813	1-121-392-11	3.3	25 V	elect

RESISTORS

All resistors are in Ω, ¼ W, ±5 % carbon resistors (except special type) are omitted. Check schematic diagram for the resistance values. k = 1000, M = 1000 k

Ref. No.	Part No.	Description		
R312	1-202-559-11	270	¼ W	composition
R421	1-202-566-11	510	½ W	composition
R529,579	1-244-745-09	1 M	¼ W	low-noise
R530,531	1-211-935-11	1 k	¼ W	nonflammable
R532,533	1-211-514-11	47	¼ W	nonflammable
R608,658	1-211-528-11	180	¼ W	nonflammable
R613,663 R614,664	1-217-153-11	0.47	2 W	nonflammable
R615,665	1-202-525-11	10	½ W	composition
R617,667	1-211-528-11	180	¼ W	nonflammable
R620	1-211-935-11	1 k	¼ W	nonflammable
R621	1-211-542-11	680	¼ W	nonflammable
R801	1-211-590-11	10	½ W	nonflammable
R802,803	1-211-538-11	470	¼ W	nonflammable
R903,953	1-202-565-11	470	½ W	composition
R906	1-202-719-11	1 M	½ W	composition (USA, Canada Mod only)
RT201	1-222-765-00	47 k		adjustable
RT301	1-222-752-00	10 k		adjustable
RT601,651	1-222-765-00	47 k		adjustable
RV501	1-224-674-00	250 k (B)		variable (VOLUME)
RV502,552 RV503,553	1-222-544-00	50 k (B)		variable (TONE)

Ref. No.	*Part No.*	*Description*

SWITCHES

S1	1-516-676-00	Rotary/Slide (FUNCTION)
S2~5	1-516-794-00	4-key (MONITOR, MONO, MUTING, LOUDNESS)
S6	1-516-793-00	Rotary (SPEAKER)/POWER (USA Model)
S901	1-516-795-00	Rotary (SPEAKER)/POWER (Canada, UK, AEP Model)

LAMPS

PL901	1-518-237-00	Meter, 8 V 300 mA
PL902,903	1-518-070-XX	Dial, 8 V 300 mA
PL904	1-518-230-00	Pointer, dial
PL905	1-518-169-XX	Stereo, 4.5 V 40 mA

MISCELLANEOUS

	1-508-690-00	Plug, voltage selector (UK, AEP Model)
	1-509-546-00	Connector, ac input; 3-p (UK, AEP Model)
CNJ901	1-509-551-00	Connector, REC/PB
CNJ902,903	1-526-528-00	Outlet, AC (USA, Canada Model)
CP801,802	1-102-355-11	Capacitor, ceramic 0.01 μ 500 V
CP903	1-231-057-31	Encapsulated Component (USA, Canada Model)
CT101,401 CT102,402 CT103 CV101,401 CV102,402 CV103	1-151-263-00	Capacitor, tuning
CF201,202	1-527-220-00	Filter, ceramic; fm i-f
F601,602	1-532-455-XX	Fuse, 2 A
F901	1-532-363-XX	Fuse, 2 A (USA, Canada Model)
	1-532-259-00	Fuse, 1.6 AT (UK, AEP Model)
F903,904	1-532-286-00	Fuse, 2.5 AT (UK, AEP Model)
F902	1-532-268-00	Fuse, 2 A (Canada Model)
	1-532-203-00	Fuse, 2 A (UK, AEP Model)
F601,651	1-532-204-00	Fuse, 2 A (UK, AEP Model)
	1-532-455-XX	Fuse, 2 A (USA Model)
	1-532-298-00	Fuse, 2 A (Canada Model)
	1-533-069-XX	Holder, fuse; 4 p (UK, AEP Model)
	1-534-985-XX	Cord, power (USA, Canada Model)

Ref. No.	*Part No.*	*Description*
J901	1-507-448-00	Jack, MIC
J902	1-507-479-XX	Jack, HEADPHONES
LPF301,302	1-231-303-00	Low Pass Filter
M901	1-520-130-00	Meter, signal
TM901	1-536-469-00	Terminal, strip (ANTENNA)
TM902,903	1-536-415-00	Terminal, strip (APEAKER)

HARDWARE

SCREWS

All screws are phillips type (cross recess type) unless otherwise indicated.

7-682-163-01	P	4 x 12
7-682-547-01	B	3 x 6
7-682-549-01	B	3 x 10
7-682-560-01	B	4 x 6
7-682-646-01	PS	3 x 5
7-682-948-01	PSW	3 x 8
7-682-949-01	PSW	3 x 10
7-682-951-01	PSW	3 x 14
7-682-961-01	PSW	4 x 8
7-685-533-21	B	2.6 x 6, self-tapping
7-685-546-21	B	3 x 8, self-tapping

MISCELLANEOUS

7-623-408-07	Washer, lock (external tooth); 3 mm dia
7-623-508-01	Lug, 3 mm dia
7-624-109-01	Retaining Ring, 5 mm dia
7-684-013-01	Nut, 3 mm dia

Part No.	*Description*
ACCESSORIES	
X-4490-002-0	Cloth Ass'y, polishing
1-501-083-21	Ribbon Antenna, fm
3-780-685-21	Manual, instruction (USA Model)
3-780-685-11	Manual, instruction (Canada, UK, AEP Model)
1-534-819-11	Cord, power; 3 p (UK Model)

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